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10/777,637	02/13/2004	Kang Soo Seo	46500-000575/US	5373
30593 7590 04/18/2008 HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195				
EXAMINER				
LE, MICHAEL				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/777,637

**Applicant(s)**

SEO ET AL.

**Examiner**

MICHAEL LE

**Art Unit**

2163

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 3-8 and 10-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 3-8 and 10-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/S5108)
- Paper No(s)/Mail Date 1/25/08
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(c), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(c) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on January 9, 2008 has been entered.

### ***Summary and Status of Claims***

1. This Office Action is in response to Applicant's reply filed January 9, 2008.
2. Claim 9 is cancelled.
3. Claims 16-20 are newly added.
4. Claims 1, 3-8 and 10-20 are pending.
5. Claims 1, 3-8 and 10-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Taira et al. (US Patent 6,009,234).
6. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Claim Rejections - 35 USC § 102***

7. **Claims 1, 3-8 and 10-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Taira et al. (US Patent 6,009,234) hereinafter "Taira".**

8. In regards to **claim 1**, Taira discloses a computer-readable medium (Taira at Fig. 1, element 10) having a data structure for managing playback control of the computer readable medium, comprising:

- a. a navigation area storing an information file (Taira at fig. 4, element 74) including a first playback indicator, the first playback indicator identifying a navigation command field for execution at first playback of the computer readable medium (Taira at col. 12, lines 4-7), the first playback indicator including a name for the identified navigation command field (Taira at col. 12, lines 7-8), the navigation area further storing the identified navigation command field, the identified navigation command field including at least one navigation command data controlling playback of data corresponding to at least one playlist stored on the computer readable medium (Taira at col. 13, lines 25-30)<sup>1</sup>.

9. In regards to **claim 3**, Taira discloses the computer-readable medium of claim 1, wherein the first playback is when the computer readable medium is first read (Taira at col. 14, lines 60-67; col. 15, line 1).

10. In regards to **claim 4**, Taira discloses the computer-readable medium of claim 1, wherein the identified navigation command field includes a navigation command for launching a playlist (Taira at col. 15, lines 66-67; col. 16, line 1).

11. In regards to **claim 5**, Taira discloses the computer-readable medium of claim 4, wherein the playlist includes navigation information for reproducing at least a portion of a clip file (Taira at col. 16, lines 22-24).

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<sup>1</sup> A sequence is interpreted as a playlist.

12. In regards to **claim 6**, Taira discloses the computer-readable medium of claim 1, wherein the information file is stored in main directory, which is a sub-directory of a root directory for the computer readable medium (Taira at fig. 5).

13. In regards to **claim 7**, Taira discloses the computer-readable medium of claim 6, wherein the first playback is when the computer readable medium is first read (Taira at col. 14, lines 60-67; col. 15, line 1).

14. In regards to **claim 8**, Taira discloses the computer-readable medium of claim 6, wherein the main directory further includes a playlist directory storing at least one playlist (Taira at fig. 7, element 107), a clip information file directory storing at least one clip information file (Taira at fig. 7, element 105) and a stream directory storing at least one clip file (Taira at fig. 7, element 97).

15. In regards to **claim 9**, Taira discloses the computer-readable medium of claim 6, wherein the first playback indicator includes a name for the identified navigation command field (Taira at fig. 20).

16. In regards to **claim 10**, Taira discloses the computer-readable medium of claim 8, wherein the identified navigation command field includes a navigation command for launching a playlist in the playlist directory (Taira at col. 17, lines 33-37).

17. In regards to **claim 11**, Taira discloses the computer-readable medium of claim 10, wherein the playlist includes navigation information for reproducing at least a portion of a clip file in the stream directory (Taira at col. 12, lines 39-63).

18. In regards to **claim 12**, Taira discloses a method of recording a data structure for managing playback control of a computer readable medium, comprising:

- a. recording an information file on the computer readable medium, the information file including a first playback indicator, the first playback indicator identifying a navigation command field for execution at first playback of the computer readable medium (Taira at fig. 4, element 74), the first playback indicator including a name for the identified navigation command field (Taira at col. 12, lines 4-7); and
  - b. recording the identified navigation command field on the computer readable medium, the identified navigation command field including at least one navigation command controlling playback of data corresponding to at least one playlist stored on the computer readable medium (Taira at col. 13, lines 25-30).
19. In regards to **claim 13**, Taira discloses a method of reproducing a data structure for managing playback control of a computer readable medium, comprising:
  - a. reproducing an information file from the computer readable medium, the information file including a first playback indicator, the first playback indicator identifying a navigation command field for execution at first playback of the computer readable medium (Taira at fig. 4, element 74), the first playback indicator including a name for the identified navigation command field (Taira at col. 12, lines 4-7); and
  - b. reproducing the identified navigation command field from the computer readable medium, the identified navigation command field including at least one navigation command controlling playback of data corresponding to at least one playlist stored on the computer readable medium (Taira at col. 13, lines 25-30).
20. In regards to **claim 14**, Taira discloses an apparatus for recording a data structure for managing playback control of a computer readable medium, comprising:

- a. an optical recording device to record data on the computer readable medium (Taira at fig. 1, element 30);
  - b. a controller for controlling the optical recording device to record an information file on the computer readable medium, the information file including a first playback indicator, the first playback indicator identifying a navigation command field for execution at first playback of the computer readable medium, the first playback indicator including a name for the identified navigation command field (Taira at fig. 4, element 74; col. 12, lines 4-7); and the controller controlling the optical recording device to record the identified navigation command field on the computer readable medium, the identified navigation command field including at least one navigation command controlling playback of data corresponding to at least one playlist stored on the computer readable medium (Taira at col. 13, lines 25-30).
21. In regards to **claim 15**, Taira discloses an apparatus for reproducing a data structure for managing playback control of a computer readable medium, comprising:
- a. an optical reproducing device to reproduce data recorded on the computer readable medium (Taira at fig. 1, element 30);
  - b. a controller for controlling the optical reproducing device to reproduce an information file from the computer readable medium, the information file including a first playback indicator, the first playback indicator identifying a navigation command field for execution at first playback of the computer readable medium, the first playback indicator including a name for the identified navigation command field (Taira at fig. 4, element 74; col. 12, lines 4-7); and the controller controlling the optical reproducing

device to reproduce the identified navigation command field from the computer readable medium, the identified navigation command field including at least one navigation command controlling playback of data corresponding to at least one playlist stored on the computer readable medium (Taira at col. 13, lines 25-30).

22. In regards to **claim 16**, Taira discloses the computer readable medium of claim 1, wherein the at least one navigation command is a plurality of commands including a command referencing a playlist and a command relating to at least one of playback of data, initializing playback of data and terminating playback of data (Taira at col. 17, lines 33-37).
23. **Claims 17 and 18** are essentially claim 16 in the form of a method and are rejected for the same reasons.
24. **Claims 19 and 20** are essentially claim 16 in the form of an apparatus and are rejected for the same reasons.

### ***Response to Amendment***

#### **Objection to claim 9 for Minor Informalities**

25. Applicant cancelled claim 9 rendering the objection moot.

#### **Rejection of Claims 1 and 3-11 under 35 U.S.C 112, Second Paragraph**

26. Claim 9 is cancelled rendering the rejection to it moot.
27. Applicant's amendment to claims 1, 3-8, 10 and 11 is acknowledged. The rejection to claims 1, 3-8, 10 and 11 under 35 U.S.C. 112, second paragraph is withdrawn.



***Response to Arguments***

**Rejection of claims 1 and 3-15 under 35 U.S.C. 102(b,e)**

28. Claim 9 is cancelled rendering the rejection to it moot.
29. Applicant's arguments in regards to the rejections to claims 1, 3-8 and 10-15 under 35 U.S.C. 102(b,e), have been fully considered and they are persuasive. However, upon further consideration, new grounds of rejection are set forth above.

***Conclusion***

30. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Le whose telephone number is 571-272-7970. The examiner can normally be reached on Mon-Thurs : 9:30am-6pm, Fri: 8am-4:30pm.
31. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
32. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Michael Le/  
Examiner, Art Unit 2163  
/Hung T Vy/

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Primary Examiner, Art Unit 2163